



*20 Years of Excellence*

August 15, 2006

Mr. Robert Lerner  
**Rite Aid Corporation**  
30 Hunter Lane  
Camp Hill, Pennsylvania 17011

RE: July 2006 Quarterly Ground Water Monitoring Results  
Rite Aid Store No. 6033  
680 South State Street  
City of Ukiah, Mendocino County, California  
**BL Project No. 98L152-B**

Dear Mr. Lerner:

Pursuant to the scope of work outlined in our Proposal No. 98L152-B, dated December 5, 2003, BL Companies has completed the eleventh round of quarterly ground water sampling at the above-referenced site. The purpose of the sampling program is to continue to document the identified ground water impairment, as directed by the California Regional Water Quality Control Board (CRWQCB) in correspondence dated November 19, 2003.

### **Background**

During a Phase I Environmental Site Assessment (ESA) (January 9, 1998) and a Preliminary Site Characterization (February 6, 1998), both conducted by BL Companies, two suspected underground storage tanks (USTs) were identified near the eastern property boundary. The site formerly contained at least four aboveground storage tanks (ASTs) as part of the former operation of a bulk petroleum facility and a service station on the site. The results of a geophysical investigation and an American Land Title Association survey indicated that the two suspected USTs are located on property owned by the City of Ukiah. In addition, soil and ground water samples collected from 17 soil borings revealed that the site has been adversely impacted by petroleum hydrocarbons in the form of both gasoline- and diesel-related constituents. As a result of the initial investigations, an Unauthorized Release Form was submitted to the Mendocino County Health Department and the CRWQCB.

BL Companies then conducted a Site Characterization (November 1, 2002) to confirm and determine the extent of petroleum hydrocarbon impairment at the site. The Site Characterization included the installation of 12 soil borings and four on-site monitoring wells (MW-1, MW-2, MW-3, and MW-4). The results of the ground water investigation indicated that targeted petroleum hydrocarbon compounds were present in ground water samples collected from three of the four on-site monitoring wells. Upon completion and submission

Mr. Robert Lerner  
BL Project No. 98L152-B  
August 15, 2006  
Page 2

of the Site Characterization Report to the CRWQCB, they then requested additional information regarding the locations of property boundaries and the USTs from both the City of Ukiah and Atlantic Richfield Corporation (ARCO), who had previously operated a bulk petroleum facility and a service station on the site. While this issue of ownership of the USTs and any related remediation measures were still being resolved, the CRWQCB requested that the ground water monitoring program on the Rite Aid property proceed independently of the suspect UST issue.

At the request of the CRWQCB, BL Companies directed exploratory excavation in the vicinity of the referenced geophysical anomalies in an effort to determine whether any USTs were present on the Rite Aid property. Since the suspected USTs were believed to be located on the property owned by the City of Ukiah, BL Companies made several attempts to contact representatives of the City Engineer's Office in advance of the exploratory excavation in an effort to work collaboratively on the UST investigation. The efforts to communicate with the City Engineer's Office and to obtain access to the City's property were unsuccessful. Therefore, BL Companies mobilized to the site on July 20, 2005 to direct exploratory excavation in the vicinity of the suspected USTs, but limited to the Rite Aid property (i.e., excavation adjacent to property boundary). The end of an approximately 4-foot diameter, steel UST was encountered in one of the test pits excavated on the Rite Aid site. Based on the orientation of the end of the UST and the approximate location of the property boundary, it appeared that approximately 2 feet of the UST was on the Rite Aid property and the remainder was on the City property. The Director of Public Works and City Engineer for the City of Ukiah, Ms. Diana Steel, PE, and the Deputy Director of Public Works, Mr. Richard Seanor, PE, visited the site on July 20, 2005 to observe the work in progress and the partially exposed UST. Ms. Steele agreed that the UST identified was mostly located on City property. Furthermore, Ms. Steele authorized BL Companies to proceed with the excavation of the identified UST on City property and remove it as well as any other USTs encountered in the southeastern entrance to the Rite Aid site. The exploratory excavation identified three USTs located on the property owned by the City of Ukiah in the southeastern entrance to the site. All of the USTs were removed on July 20 and 21, 2005. A separate report documenting the investigative methods and findings of the exploratory excavation and UST removal was submitted to the CRWQCB on September 23, 2005.

### **Field Activities**

The eleventh quarterly ground water monitoring event was conducted on July 19, 2006. Ground water samples were collected from the four on-site ground water monitoring wells using the following protocol:

Prior to sample collection, the static water level in each of the monitoring wells was measured. By subtracting the depth to ground water in each well from the surveyed

Mr. Robert Lerner  
BL Project No. 98L152-B  
August 15, 2006  
Page 3

elevations, a detailed map of the shallow ground water potentiometric surface was prepared (see Attachment 1, Ground Water Potentiometric Surface Map and Attachment 3, Table 1). Based on the potentiometric surface data, the ground water flow direction beneath the site is to the southeast, which is relatively consistent with prior determinations. However, the ground water flow directions during the January and April 2005 and the January and April 2006 sampling events were to the east between MW-4 and South State Street and to the southwest between MW-4 and MW-3. After plotting the ground water elevations in all four wells over the past 11 monitoring events, it was apparent that ground water fluctuations in MW-1 through MW-3 tend to mimic one another, while the ground water elevations in MW-4 vary slightly from the pattern of the other three wells over time. In particular, the variations in ground water fluctuations between MW-4 and the other three wells have been more dramatic since January 2005, resulting in the apparent ground water mound in the area of MW-4 during four of the past seven monitoring events.

A minimum of three well volumes of water was purged from the wells using new polyethylene hose and a pre-cleaned submersible pump. During well purging, the temperature, pH, dissolved oxygen, specific conductivity, and oxidation-reduction potential of the ground water were monitored to ensure that representative samples were collected. The purged ground water was collected in 55-gallon drums for later off-site disposal. After purging each well, ground water samples were collected with single-use polyethylene bailers and placed into pre-cleaned glass and plastic sample containers fitted with Teflon-lined lids, preserved with the appropriate reagent, and stored at 4 degrees Centigrade (or less) until delivery to Alpha Analytical Laboratories Inc. of Ukiah, California.

### **Chemical Analyses**

Please find enclosed as Attachment 2, the analytical results for the ground water samples collected on July 19, 2006 from the on-site monitoring wells. The samples were analyzed for total petroleum hydrocarbons (TPH) as gasoline; TPH as diesel; and benzene, toluene, ethylbenzene, and xylenes. Following BL Companies' request on July 6, 2004 to eliminate the analysis of semi-volatile organic compounds, Ms. Colleen Stone of the CRWQCB officially concurred with this request in a letter dated July 9, 2004. In addition, the CRWQCB recommended that analysis of the five fuel oxygenates, including methyl tertiary-butyl ether, also be removed from the quarterly monitoring activities, as none of these compounds have been detected in any of the samples collected since the initiation of ground water monitoring activities.

### **Findings**

The results of the laboratory analyses (see Attachment 4, Tables 2 and 3) were compared to the previous analytical results obtained during the previous site characterization and quarterly sampling events. Table 2 only includes those compounds formerly and/or

Mr. Robert Lerner  
BL Project No. 98L152-B  
August 15, 2006  
Page 5

BL Companies appreciates the opportunity to continue to provide environmental services to you. Should you have any questions regarding the above, please contact the undersigned at your convenience.

Respectfully submitted,

**BL Companies**

*Kenneth M Yoder*

Kenneth M. Yoder, PG  
Senior Project Manager

Reviewed by:

*Christina Kennedy*

Christina Kennedy  
CKG Environmental, Inc.  
CA Geologist No. 5077



Attachments

## **ATTACHMENTS**


Attachment 1	Ground Water Potentiometric Surface Map
Attachment 2	Alpha Analytical Laboratories Report
Attachment 3	Table 1 – Summary of Monitoring Well Construction and Elevation Data
Attachment 4	Tables 2 and 3 – Results of Chemical Analyses Performed on Ground Water Samples

## **ATTACHMENT 1**

### **Ground Water Potentiometric Surface Map**

# LEGEND

--- PROPERTY LINE

MW-4  MONITORING WELL LOCATION  
(606.53) (Ground Water Elevation (feet, AMSL) on 07/19/06)

— 608 — GROUND WATER ELEVATION CONTOUR



(SCALE IN FEET)  
1 inch = 70 feet

SOUTH STATE STREET

SIDEWALK

TRACT 2

MW-1  
(608.58)

RITE AID  
STORE NO. 6033

OAK STREET

SIDEWALK

MW-2  
(605.81)

FORMER  
USTs

CITY OF UKIAH  
BOUNDARY

GOBBI STREET

MW-3  
(607.38)

SIDEWALK



## GROUND WATER POTENTIOMETRIC SURFACE MAP - 07/19/2006

RITE AID STORE NO. 6033  
680 SOUTH STATE STREET  
CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA

Drawn  
Approved  
Scale  
Project No.  
Date  
CAD File

J.R.T.  
K.M.Y.  
1" = 70'  
98L152-B  
08/08/06  
98L152-B.GW Elev.07-19-2006



Alpha Analytical Laboratories Inc.

208 Mason St. Ukiah, California 95482

e-mail: [clientservices@alpha-labs.com](mailto:clientservices@alpha-labs.com) • Phone: (707) 468-0401 • Fax: (707) 468-5267

03 August 2006

BL Companies

Attn: Ken Yoder

830 Sir Thomas Court

Harrisburg, PA 17109

RE: Rite Aid, Ukiah

Work Order: A607554

Enclosed are the results of analyses for samples received by the laboratory on 07/19/06 15:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

*Kelley M Thompson*

Kelley M. Thompson For Sheri L. Speaks  
Project Manager





# alpha

Alpha Analytical Laboratories Inc.

208 Mason St. Ukiah, California 95482

e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

## CHEMICAL EXAMINATION REPORT

Page 5 of 8

BL Companies  
830 Sir Thomas Court  
Harrisburg, PA 17109  
Attn: Ken Yoder

Report Date: 08/03/06 09:50  
Project No: Rite Aid, Ukiah  
Project ID: Rite Aid, Ukiah

Order Number  
A607554

Receipt Date/Time  
07/19/2006 15:40

Client Code  
BLCOMP

Client PO/Reference

### TPH by EPA/LUFT GC/GCMS Methods - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch AG62702 - VOAs in Water GCMS</b>										
<b>Matrix Spike (AG62702-MS1)</b>		<b>Source: A607477-02</b>		<b>Prepared &amp; Analyzed: 07/26/06</b>						
Surrogate: Toluene-d8	27.4		"	25.0		110	79-141			
<b>Matrix Spike Dup (AG62702-MSD1)</b>		<b>Source: A607477-02</b>		<b>Prepared &amp; Analyzed: 07/26/06</b>						
TPH as Gasoline	180	50	ug/l	200	ND	90.0	32-166	19.1	20	
Surrogate: Toluene-d8	27.4		"	25.0		110	79-141			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Bruce Gove  
Laboratory Director

8/3/2006



Alpha Analytical Laboratories Inc.

208 Mason St. Ukiah, California 95482

e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

## CHEMICAL EXAMINATION REPORT

Page 7 of 8

BL Companies  
830 Sir Thomas Court  
Harrisburg, PA 17109  
Attn: Ken Yoder

Report Date: 08/03/06 09:50  
Project No: Rite Aid, Ukiah  
Project ID: Rite Aid, Ukiah

Order Number  
A607554

Receipt Date/Time  
07/19/2006 15:40

Client Code  
BLCOMP

Client PO/Reference

### Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch AG62717 - VOAs in Water GCMS</b>										
<b>Matrix Spike Dup (AG62717-MSD1)</b>										
				<b>Source: A607477-01</b>		<b>Prepared &amp; Analyzed: 07/26/06</b>				
Benzene	9.76	0.30	ug/l	10.0	ND	97.6	39-142	1.22	25	
Toluene	10.8	0.30	"	10.0	ND	108	44-148	7.69	25	
Ethylbenzene	11.9	0.50	"	10.0	ND	119	42-148	2.49	25	
Xylenes (total)	36.5	0.50	"	30.0	ND	122	43-145	1.66	25	
Surrogate: Bromofluorobenzene	31.6		"	25.0		126	70-130			
Surrogate: Dibromofluoromethane	21.9		"	25.0		87.6	71-136			
Surrogate: Toluene-d8	25.6		"	25.0		102	80-130			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Bruce Gove  
Laboratory Director

8/3/2006



Alpha Analytical Laboratories Inc.

208 Mason St. Ukiah, California 95482

e-mail: [clientservices@alpha-labs.com](mailto:clientservices@alpha-labs.com) • Phone: (707) 468-0401 • Fax: (707) 468-5267

## CHEMICAL EXAMINATION REPORT

Page 8 of 8

BL Companies  
830 Sir Thomas Court  
Harrisburg, PA 17109  
Attn: Ken Yoder

Report Date: 08/03/06 09:50  
Project No: Rite Aid, Ukiah  
Project ID: Rite Aid, Ukiah

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A607554	07/19/2006 15:40	BLCOMP	

### Notes and Definitions

R-04 The Reporting Limits for this analysis are elevated due to sample foaming.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

PQL Practical Quantitation Limit

# MONITORING WELL FIELD SHEET

Date: 7 19 06  
 Client: \_\_\_\_\_  
 Site: RITE AID  
 Phone: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Well ID: MW 1  
 Depth of Well: 40.0'  
 Depth to Water: 3.41  
 Water Column Height: 36.59  
 One Well Vol: 24.00 72.00  
 Product Depth: \_\_\_\_\_

## DETERMINING VOLUME OF WELL:

$$V = H \times D(\text{Squared}) \times 0.041$$

V = one well volume (gallons)  
 H = height of water column (feet)  
 D = inside diameter of well (inches)

NOTE: Collect EC, T, and pH initially and after every well volume.

TIME	T	EC	pH	Comments* (Color, Odor, Exceptions)
<u>1110</u>	<u>25.79</u>	<u>071</u>	<u>6.65</u>	<u>SLIGHT SULFUR ODOR - CLEAR</u>
<u>1115</u>	<u>26.96</u>	<u>036</u>	<u>6.35</u>	<u>CLOUDY</u>
<u>1135</u>	<u>28.13</u>	<u>071</u>	<u>6.50</u>	

Sample time: 1135  
 Total presampling time: \_\_\_\_\_

\* Sample when EC and T have stabilized, and at least 3-5 well volumes have been purged. If well is purged to dryness before 3-5 volumes are purged and well is very slow to recover, sample will be drawn as soon as well has recovered sufficiently.

Name: S Trout

# MONITORING WELL FIELD SHEET

Date: 7 19 06  
 Client: \_\_\_\_\_  
 Site: RITE AID  
 Phone: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Well ID: MW 3  
 Depth of Well: 40.0'  
 Depth to Water: 6.20  
 Water Column Height: 33.8  
 One Well Vol: 22.17 66.51  
 Product Depth: \_\_\_\_\_

## DETERMINING VOLUME OF WELL:

$$V = H \times D(\text{Squared}) \times 0.041$$

V = one well volume (gallons)  
 H = height of water column (feet)  
 D = inside diameter of well (inches)

NOTE: Collect EC, T, and pH initially and after every well volume.

TIME	T	EC	pH	Comments* (Color, Odor, Exceptions)
1226	28.57	089	6.31	SLIGHT SULFUR ODOR - CLOUDY DIRTY
1240	29.46	046	6.25	
1252	28.02	052	6.49	

Sample time: 1252  
 Total presampling time: \_\_\_\_\_

\* Sample when EC and T have stabilized, and at least 3-5 well volumes have been purged. If well is purged to dryness<sup>th</sup> before 3-5 volumes are purged and well is very slow to recover, sample will be drawn as soon as well has recovered sufficiently.

Name: A. Junt

# MONITORING WELL FIELD SHEET

Date: 7 19 06  
 Client: \_\_\_\_\_  
 Site: RITE AID  
 Phone: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Well ID: MW 2  
 Depth of Well: 35.02  
 Depth to Water: 4.28  
 Water Column Height: 30.72  
 One Well Vol: 20.15 60.45  
 Product Depth: \_\_\_\_\_

## DETERMINING VOLUME OF WELL:

$$V = H \times D(\text{Squared}) \times 0.041$$

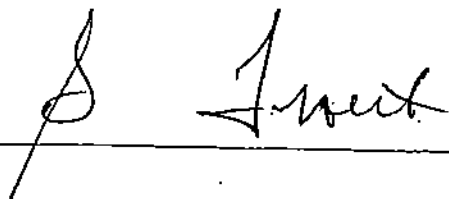
V = one well volume (gallons)  
 H = height of water column (feet)  
 D = inside diameter of well (inches)

NOTE: Collect EC, T, and pH initially and after every well volume.

TIME	T	EC	pH	Comments* (Color, Odor, Exceptions)
<u>1337</u>	<u>29.96</u>	<u>113</u>	<u>6.38</u>	<u>SLIGHTLY Cloudy - NO ODOR</u>
<u>1352</u>	<u>29.80</u>	<u>075</u>	<u>6.46</u>	
<u>1405</u>	<u>29.07</u>	<u>087</u>	<u>6.43</u>	

Sample time: 1405  
 Total presampling time: \_\_\_\_\_

\* Sample when EC and T have stabilized, and at least 3-5 well volumes have been purged. If well is purged to dryness before 3-5 volumes are purged and well is very slow to recover, sample will be drawn as soon as well has recovered sufficiently.

Name: 

# Work Order

## Chain of Custody Record

Alpha Analytical Laboratories Inc. 208 Mason Street, Ukiah, California 95482  
e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

Company Name:

**RITE AID**

Mailing Address:

Project Name:

Project Number:

Project Address:

Project Contact (Hardcopy or PDF to):

P.O. #

Quote #

Phone/Fax:

Bill to:

Sampler's Signature:

*Stephen [Signature]*

Sample Designation

MW 4

MW 1

MW 3

MW 2\*

Date

Time

7/19/06 1020

7/19/06 1135

7/19/06 1252

7/19/06 1405

Sampling

Container

Preservative

Matrix

40ml VOA

Poly

Amber

Sleeve

HCL

HNO3

H2SO4

None

Water

Soil

Analysis Request

TAT

24 hr

48 hr

Lab Approval Required

1 wk

2 wk (standard)

For Lab Use Only

Signature below authorizes work under terms stated on reverse side.

Relinquished by:

*[Signature]*

Relinquished by:

Received by:

*Shon Speaks*

Relinquished by:

Received for Laboratory by:

Date

Time

7/19/06 1540

Date

Time

Date

Time

California EDP Report?

Yes

No

Sampling Company Log Code

Global ID

EDF to (Email Address)

Drinking Water State System/Source Number

Sample Condition on Receipt

Sample ID

Misc. Supplies

Notes

## **ATTACHMENT 3**

### **Table 1 Summary of Monitoring Well Construction and Elevation Data**



**TABLE 1**  
**SUMMARY OF MONITORING WELL CONSTRUCTION AND GROUND WATER ELEVATIONS**  
**RITE AID STORE NO. 6033**  
**CITY OF ELKIAH MENDOCINO COUNTY, CALIFORNIA**

Well No.	Total Depth (feet, bgs)	Relative TOC Elevation (feet)	Static Water Level (feet below TOC)													
			19-Sep-02	7-Oct-02	28-Jan-04	14-Apr-04	23-Jul-04	29-Oct-04	24-Jan-05	12-Apr-05	21-Jul-05	27-Oct-05	31-Jan-06	24-Apr-06	19-Jul-06	
MW-1	40	611.99	4.01	8.10	3.19	3.21	3.61	4.12	3.68	3.26	3.34	3.99	3.30	3.34	3.41	
MW-2	35	610.09	4.59	9.07	3.00	3.56	3.87	4.54	3.70	3.41	3.93	4.67	3.13	3.13	4.28	
MW-3	40	613.58	7.55	14.37	5.29	5.63	6.58	6.78	6.36	5.60	5.82	7.08	5.51	5.64	6.20	
MW-4	30	611.25	5.17	10.21	2.91	3.43	4.70	4.38	2.87	2.20	4.26	4.62	2.00	2.11	4.72	
Well No.	Total Depth (feet, bgs)	Relative TOC Elevation (feet)	Relative Ground Water Elevation (feet)													
			19-Sep-02	7-Oct-02	28-Jan-04	14-Apr-04	23-Jul-04	29-Oct-04	24-Jan-05	12-Apr-05	21-Jul-05	27-Oct-05	31-Jan-06	24-Apr-06	19-Jul-06	
MW-1	40	611.99	607.98	603.89	608.80	608.78	608.38	607.87	608.31	608.73	608.65	608.00	608.69	608.65	608.58	
MW-2	35	610.09	605.50	601.02	607.09	606.53	606.22	605.55	606.39	606.68	606.16	605.42	608.96	606.96	605.81	
MW-3	40	613.58	606.03	599.21	608.29	607.95	607.00	606.80	607.22	607.98	607.76	606.50	608.07	607.94	607.38	
MW-4	30	611.25	606.08	601.04	608.34	607.82	606.55	606.87	608.38	609.05	606.99	606.63	609.25	609.14	606.53	

Notes:  
TOC = Top of Casing  
bgs = Below Ground Surface

## **ATTACHMENT 4**

### **Tables 2 and 3 Results of Chemical Analyses Performed on Ground Water Samples**

TABLE 2 SUMMARY OF GROUNDWATER VOC ANALYSES AT THE AD STORE NO. 18033 CITY OF LUKIA, MENDOZA COUNTY, CALIFORNIA																			
Sample ID	Sample Date	Acenaphthylene	Acenaphthene	Fluoranthene	Fluorene	Phenanthrene	1-Methylnaphthalene	2-Methylnaphthalene	Naphthalene	Pyrene	Chrysene	Benzo(a)anthracene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Indeno(1,2,3-c,d)pyrene	Dibenzo(a,h)anthracene	Benzo(g,h,i)perylene	
MW-1	18-Sep-02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	7-Oct-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	28-Jan-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	14-Apr-04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	27-Jul-04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-2	28-Oct-04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	24-Jan-05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	12-Apr-05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	21-Jul-05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	18-Sep-02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-3	7-Oct-02	ND	ND	ND	ND	ND	ND	ND	3.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	28-Jan-04	ND	ND	ND	ND	ND	0.75	1.4	3.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	14-Apr-04	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	27-Jul-04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	28-Oct-04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-4	24-Jan-05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	12-Apr-05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	21-Jul-05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	18-Sep-02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	7-Oct-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
MW-4	24-Jan-04	ND	9	4.4	4.1	8.1	0.86	ND	0.77	3.2	4.5	4.8	2.5	2.8	3.6	ND	ND	ND	
	14-Apr-04	ND	10	ND	10	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	23-Jul-04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	28-Oct-04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	24-Jan-05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-4	12-Apr-05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	21-Jul-05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	18-Sep-02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	7-Oct-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	28-Jan-04	ND	ND	ND	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	ND	ND	ND	

Results reported in micrograms per liter (µg/L)  
ND = Not Detected  
NA = Not Analyzed

Results reported in micrograms per liter (µg/L)  
 ND = Not Detected  
 NA = Not Analyzed

**TABLE 3**  
**SUMMARY OF GROUND WATER VOC ANALYSES**  
**RITE AID STORE NO. 6033**  
**CITY OF UKIAH, MENDOCINO COUNTY, CALIFORNIA**

Sample ID	Sample Date	Benzene	Toluene	Ethylbenzene	Xylenes	Tert-butyl alcohol	Diisopropyl ether	Ethyl tert-butyl ether	Tert-amyl methyl ether	Methyl tert-butyl ether (MTBE)	TPH - Gasoline	TPH - Diesel
MW-1	19-Sep-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA
	7-Oct-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	28-Jan-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	14-Apr-04	ND	0.86	ND	ND	ND	ND	ND	ND	ND	ND	ND
	27-Jul-04	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND
	29-Oct-04	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND
	24-Jan-05	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND
	12-Apr-05	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND
	21-Jul-05	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND
	27-Oct-05	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	57
	31-Jan-06	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND
	24-Apr-06	ND	ND	ND	ND	NA	NA	NA	NA	NA	73	ND
	19-Jul-06	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND
MW-2	19-Sep-02	690	51	180	100	ND	ND	ND	ND	ND	3,700	NA
	7-Oct-02	160	14	47	38	ND	ND	ND	ND	ND	670	ND
	28-Jan-04	69	ND	38	12	ND	ND	ND	ND	ND	1,000	110
	14-Apr-04	180	30	69	45	ND	ND	ND	ND	ND	1,200	77
	27-Jul-04	76	17	130	95	NA	NA	NA	NA	NA	3,900	660
	29-Oct-04	72	29	180	130	NA	NA	NA	NA	NA	4,800	180
	24-Jan-05	79	35	240	170	NA	NA	NA	NA	NA	6,300	800
	12-Apr-05	49	27	270	200	NA	NA	NA	NA	NA	7,900	640
	21-Jul-05	120	8.4	39	17	NA	NA	NA	NA	NA	1,200	95
	27-Oct-05	41	8.6	73	41	NA	NA	NA	NA	NA	2,500	97
	31-Jan-06	40	14	150	96	NA	NA	NA	NA	NA	4,700	110
	24-Apr-06	49	8.7	58	38	NA	NA	NA	NA	NA	1,300	150
	19-Jul-06	170	8.7	31	9.7	NA	NA	NA	NA	NA	740	ND
MW-3	19-Sep-02	23	ND	44	64	ND	ND	ND	ND	ND	2,300	NA
	7-Oct-02	6.5	ND	6.4	13	ND	ND	ND	ND	ND	800	610
	28-Jan-04	81	0.76	63	21	ND	ND	ND	ND	ND	1,700	230
	14-Apr-04	28	ND	38	21	ND	ND	ND	ND	ND	920	150
	23-Jul-04	14	ND	32	30	NA	NA	NA	NA	NA	1,800	1,600
	29-Oct-04	4.3	ND	18	21	NA	NA	NA	NA	NA	1,800	110
	24-Jan-05	5	ND	30	32	NA	NA	NA	NA	NA	2,100	350
	12-Apr-05	26	0.62	31	17	NA	NA	NA	NA	NA	1,000	260
	21-Jul-05	14	0.47	26	12	NA	NA	NA	NA	NA	1,400	99
	27-Oct-05	3.8	ND	19	13	NA	NA	NA	NA	NA	1,100	81
	31-Jan-06	1.1	ND	9.0	7.0	NA	NA	NA	NA	NA	840	ND
	24-Apr-06	1.9	ND	5.7	3.3	NA	NA	NA	NA	NA	270	ND
	19-Jul-06	6.5	0.31	15	ND	NA	NA	NA	NA	NA	1,100	ND
MW-4	19-Sep-02	1.1	ND	ND	1.0	ND	ND	ND	ND	ND	750	NA
	7-Oct-02	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,500	3,400
	28-Jan-04	0.53	ND	ND	ND	ND	ND	ND	ND	ND	320	310
	14-Apr-04	ND	ND	ND	ND	ND	ND	ND	ND	ND	350	520
	23-Jul-04	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	250
	29-Oct-04	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND
	24-Jan-05	ND	ND	ND	ND	NA	NA	NA	NA	NA	180	140
	12-Apr-05	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	100
	21-Jul-05	ND	ND	ND	ND	NA	NA	NA	NA	NA	120	120
	27-Oct-05	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	97
	31-Jan-06	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	120
	24-Apr-06	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	55
	19-Jul-06	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	73

Results reported in micrograms per liter (µg/l)

ND = Not Detected

NA = Not Analyzed